Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 15/7/19

Item No	Discription of Item	Detailed Measurements									Unit
			No	Length	Breadth			Depth	Qty		
13	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision. (P.No.158 & I.No.21.7) KPWD SR 2018-19										
	For Road										
	Kamakshamma Badavane										
	1st cross										
	Ch:0.00m to 30.00m		1	30.00	5.10	+	5.80		163.50		
					2						
	Ch:30.00m to 60.00m		1	30.00	5.80	+	5.50		169.50		
					2						
	Ch:60.00m to 88.00m		1	28.00	5.50	+	5.40		152.60		
					2						
	Culvert Gap										
	Ch:90.00m to 120.00m		1	30.00	5.40	+	5.70		166.50		
					2						
	Ch:120.00m to 147.60m		1	27.60	5.70	+	5.60		155.94		
					2						
	Cr-1										
	Ch:0.00m to 30.00m		1	30.00	5.10	+	5.30		156.00		
					2						
	Ch:30.00m to 31.00m		1	1.00	5.30	+	5.30		5.30		
					2						
	Cr-2										
	Ch:0.00m to 22.80m		1	22.80	5.00	+	4.80		111.72		
					2						
	Cr-3										
	Ch:0.00m to 30.00m		1	30.00	4.20	+	4.10		124.50		
					2						
	Ch:30.00m to 37.20m		1	7.20	4.10	+	4.40		30.60		
					2						
	Cr-4										
	Ch:0.00m to 28.00m		1	28.00	4.50	+	4.30		123.20		
					2						
	Cr-5										

	Ch:0.00m to 30.00m		1	30.00	5.10 + 4.70 / 2			147.00	
	Ch:30.00m to 46.20m		1	16.20	4.70 + 4.70 / 2			76.14	
	1st main road								
	Approach		1	5.00	3.70 + 4.70 / 2			21.00	
	Ch:0.00m to 30.00m		1	30.00	4.70 + 4.20 / 2			133.50	
	Ch:30.00m to 60.00m		1	30.00	4.20 + 4.50 / 2			130.50	
	Ch:60.00m to 61.00m		1	1.00	4.50 + 4.50 / 2			4.50	
							Present Qty	**1872.00**	**Sqm**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 18/7/19

Item No	Discription of Item	Detailed Measurements							
			No	Length	Breadth		Depth	Qty	Unit
16	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No140., I.No.18.47 of KPWD S.R 2018-19).								
	Pushkara Road								
	Ch:0.00m to 30.00m		1	30.00	3.40 + 3.30 / 2		0.10	10.05	
	Ch:30.00m to 40.50m		1	10.50	3.30 + 3.30 / 2		0.10	3.47	
	Gopalakrishna Road								
	Ch:0.00m to 30.00m		1	30.00	4.00 + 3.90 / 2		0.10	11.85	
	Venkateshwara Provision Store Road								
	Ch:0.00m to 30.00m		1	30.00	3.50 + 3.50 / 2		0.10	10.50	
	Malli Road								
	Ch:0.00m to 29.00m		1	29.00	4.30 + 4.40 / 2		0.10	12.62	
	Kondappa Badavane								
	11th cross								
	Ch:0.00m to 30.00m		1	30.00	4.40 + 4.30 / 2		0.10	13.05	
	Ch:30.00m to 30.00m		1	30.00	4.30 + 4.20 / 2		0.10	12.75	
							Present Qty	**74.28**	**Cum**
							Qty Limitted to	**69.04**	**Cum**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Measurement : 25/7/19

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit
4	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse							
	For RCC Drain							
	Raft							
	Balaji Badavane							
	Main Road							
			1	78.40	0.90	0.15	10.58	
			1	0.50	0.90	0.15	0.07	
			1	25.50	0.90	0.15	3.44	
			1	23.50	0.90	0.15	3.17	
			1	24.30	0.90	0.15	3.28	
			1	24.00	0.90	0.15	3.24	
			1	9.00	0.90	0.15	1.22	
			1	23.70	0.90	0.15	3.20	
			1	12.70	0.90	0.15	1.71	
	6th cross							
		LHS	1	11.10	0.90	0.15	1.50	
			1	18.50	0.90	0.15	2.50	
			1	12.20	0.90	0.15	1.65	
		RHS	1	30.00	0.90	0.15	4.05	
			1	13.70	0.90	0.15	1.85	
			1	16.50	0.90	0.15	2.23	
	7th cross							
		LHS	1	30.00	0.90	0.15	4.05	
		RHS	1	30.00	0.90	0.15	4.05	
			1	30.00	0.90	0.15	4.05	
			1	9.00	0.90	0.15	1.22	
	8th cross							
		LHS	1	30.00	0.90	0.15	4.05	
			1	30.00	0.90	0.15	4.05	
			1	9.00	0.90	0.15	1.22	
		RHS	1	23.70	0.90	0.15	3.20	
			1	30.00	0.90	0.15	4.05	
			1	5.70	0.90	0.15	0.77	
	1st cross	LHS	1	24.00	0.90	0.15	3.24	
	2nd cross	LHS	1	15.00	0.90	0.15	2.03	
			1	30.00	0.90	0.15	4.05	
	Wall							
	Balaji Badavane							
	Main Road							

			2	78.40	0.15	0.60	14.11	
			2	0.50	0.15	0.60	0.09	
			2	25.50	0.15	0.60	4.59	
			2	23.50	0.15	0.60	4.23	
			2	24.30	0.15	0.60	4.37	
			2	24.00	0.15	0.75	5.40	
			2	9.00	0.15	0.75	2.03	
			2	23.70	0.15	0.75	5.33	
			2	12.70	0.15	0.75	2.86	
	6th cross							
		LHS	2	11.10	0.15	0.60	2.00	
			2	18.50	0.15	0.60	3.33	
			2	12.20	0.15	0.60	2.20	
		RHS	2	30.00	0.15	0.60	5.40	
			2	13.70	0.15	0.60	2.47	
			2	16.50	0.15	0.60	2.97	
	7th cross							
		LHS	2	30.00	0.15	0.60	5.40	
		RHS	2	30.00	0.15	0.60	5.40	
			2	30.00	0.15	0.60	5.40	
			2	9.00	0.15	0.50	1.35	
	8th cross							
		LHS	2	30.00	0.15	0.55	4.95	
			2	30.00	0.15	0.55	4.95	
			2	9.00	0.15	0.55	1.49	
		RHS	2	23.70	0.15	0.55	3.91	
			2	30.00	0.15	0.55	4.95	
			2	5.70	0.15	0.55	0.94	
	1st cross	LHS	2	24.00	0.15	0.55	3.96	
	2nd cross	LHS	2	30.00	0.15	0.55	4.95	
			2	15.00	0.15	0.55	2.48	
						Present Qty	**195.19**	**Cum**

Contractor

Nayaz Consultants PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Pre-Measurement : 27/7/19

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit
7	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)							
	RCC Drain							
	Balaji Badavane							
	Main Road							
			1	78.40	0.90		70.56	
			1	0.50	0.90		0.45	
			1	25.50	0.90		22.95	
			1	23.50	0.90		21.15	
			1	24.30	0.90		21.87	
			1	24.00	0.90		21.00	
			1	9.00	0.90		8.10	
			1	23.70	0.90		21.33	
			1	12.70	0.90		11.43	
	6th cross							
		LHS	1	11.10	0.90		9.99	
			1	18.50	0.90		16.65	
			1	12.20	0.90		10.98	
		RHS	1	30.00	0.90		27.00	
			1	13.70	0.90		12.33	
			1	16.50	0.90		14.85	
	7th cross							
		LHS	1	30.00	0.90		27.00	
		RHS	1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	9.00	0.90		8.10	
	8th cross							
		LHS	1	30.00	0.90		27.00	
			1	30.00	0.90		27.00	
			1	9.00	0.90		8.10	
		RHS	1	23.70	0.90		21.33	
			1	30.00	0.90		27.00	
			1	5.70	0.90		5.13	
		LHS	1	24.00	0.90		21.60	
		LHS	1	30.00	0.90		27.00	
	1st cross		1	15.00	0.90		13.50	
	2nd cross							

	LHS							
	Kamakshamma Badavane							
	1st cross							
	Ch:0.00m to 30.00m		1	3.00	0.75		2.25	
	Ch:30.00m to 60.00m		1	5.00	0.75		3.75	
	Ch:60.00m to 88.00m		1	2.00	0.75		1.50	
	Ch:90.00m to 120.00m		1	6.00	0.75		4.50	
	Ch:120.00m to 147.60m		1	7.00	0.75		5.25	
	Cr-1							
	Ch:0.00m to 30.00m		1	3.00	0.75		2.25	
	Cr-2							
	Ch:0.00m to 22.80m		1	4.00	0.75		3.00	
	Cr-3							
	Ch:0.00m to 30.00m		1	15.00	0.75		11.25	
	Ch:30.00m to 37.20m		1	4.00	0.75		3.00	
	Cr-4							
	Ch:0.00m to 28.00m		1	10.00	0.75		7.50	
	Cr-5							
	Ch:0.00m to 30.00m		1	12.00	0.75		9.00	
	Ch:30.00m to 46.20m		1	8.00	0.75		6.00	
	Cr-6							
	Ch:0.00m to 28.20m		1	6.00	0.75		4.50	
	Cr-7							
	Ch:0.00m to 30.00m		1	12.00	0.75		9.00	
	Ch:30.00m to 49.20m		1	8.00	0.75		6.00	
	1st main road							
	Ch:0.00m to 30.00m		1	10.00	0.75		7.50	
	Ch:30.00m to 60.00m		1	7.00	0.75		5.25	
	RHS							
	Kamakshamma Badavane							
	1st cross							
	Ch:0.00m to 30.00m		1	5.00	0.75		3.75	
	Ch:30.00m to 60.00m		1	10.00	0.75		7.50	
	Ch:60.00m to 88.00m		1	10.00	0.75		7.50	
	Ch:90.00m to 120.00m		1	6.00	0.75		4.50	
	Ch:120.00m to 147.60m		1	13.00	0.75		9.75	
	Cr-1							
	Ch:0.00m to 30.00m		1	10.00	0.75		7.50	
	Cr-2							
	Ch:0.00m to 22.80m		1	6.00	0.75		4.50	
	Cr-3							
	Ch:0.00m to 30.00m		1	11.00	0.75		8.25	
	Ch:30.00m to 37.20m		1	2.00	0.75		1.50	
	Cr-4							
	Ch:0.00m to 28.00m		1	17.00	0.75		12.75	
	Cr-5							
	Ch:0.00m to 30.00m		1	15.00	0.75		11.25	
	Ch:30.00m to 46.20m		1	9.00	0.75		6.75	

	Cr-6							
	Ch:0.00m to 28.20m		1	15.00	0.75		11.25	
	Cr-7							
	Ch:0.00m to 30.00m		1	13.00	0.75		9.75	
	Ch:30.00m to 49.20m		1	12.00	0.75		9.00	
	1st main road							
	Ch:0.00m to 30.00m		1	17.00	0.75		12.75	
	Ch:30.00m to 60.00m		1	11.00	0.75		8.25	
						Present Qty	**786.00**	**Sqm**

Contractor

PMC

Assistant Engineer

Asst Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Measurement : 31/7/19

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements						
14	KSRRB M500-19. Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision. - do - using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 40 mm) with 5.4% VG-30 Bitumen (P.No.162 Item No.21.22.6) KPWD SR 2018-19						
	For Road						
	Kamakshamma Badavane						
	1st cross						
	Ch:0.00m to 30.00m	1	30.00	(5.10 + 5.80)/2	0.04	6.54	
	Ch:30.00m to 60.00m	1	30.00	(5.80 + 5.50)/2	0.04	6.78	
	Ch:60.00m to 88.00m	1	28.00	(5.50 + 5.40)/2	0.04	6.10	
	Culvert Gap						
	Ch:90.00m to 120.00m	1	30.00	(5.40 + 5.70)/2	0.04	6.66	
	Ch:120.00m to 147.60m	1	27.60	(5.70 + 5.60)/2	0.04	6.24	
	Cr-1						
	Ch:0.00m to 30.00m	1	30.00	(5.10 + 5.30)/2	0.04	6.24	
	Ch:30.00m to 31.00m	1	1.00	(5.30 + 5.30)/2	0.04	0.21	
	Cr-2						
	Ch:0.00m to 22.80m	1	22.80	(5.00 + 4.80)/2	0.04	4.47	
	Cr-3						
	Ch:0.00m to 30.00m	1	30.00	(4.20 + 4.10)/2	0.04	4.98	
	Ch:30.00m to 37.20m	1	7.20	(4.10 + 4.40)/2	0.04	1.22	
	Cr-4						
	Ch:0.00m to 28.00m	1	28.00	(4.50 + 4.30)/2	0.04	4.93	

	Cr-5									
	Ch:0.00m to 30.00m		1	30.00	5.10 + 4.70 / 2			0.04	5.88	
	Ch:30.00m to 46.20m		1	16.20	4.70 + 4.70 / 2			0.04	3.05	
	1st main road									
	Approach		1	5.00	3.70 + 4.70 / 2			0.04	0.84	
	Ch:0.00m to 30.00m		1	30.00	4.70 + 4.20 / 2			0.04	5.34	
	Ch:30.00m to 60.00m		1	30.00	4.20 + 4.50 / 2			0.04	5.22	
	Ch:60.00m to 61.00m		1	1.00	4.50 + 4.50 / 2			0.04	0.18	
							Present Qty		**74.88**	**Cum**

Contractor

Meyzen Constructions Bangalore PVT LTD

Assistant Engineer

Asst. Executive Engineer,
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Measurement : 21/8/19

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Detailed Measurements							
15	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (P.No.182 & I.No.24.15) KPWD SR 2018-19							
	For Road							
	Kamakshamma Badavane							
	1st cross							
	Ch:0.00m to 30.00m		2	30.00	(0.10 + 0.10)/2		6.00	
	Ch:30.00m to 60.00m		2	30.00	(0.10 + 0.10)/2		6.00	
	Ch:60.00m to 88.00m		2	28.00	(0.10 + 0.10)/2		5.60	
	Culvert Gap							
	Ch:90.00m to 120.00m		2	30.00	(0.10 + 0.10)/2		6.00	
	Ch:120.00m to 147.60m		2	27.60	(0.10 + 0.10)/2		5.52	
	Cr-1							
	Ch:0.00m to 30.00m		2	30.00	(0.10 + 0.10)/2		6.00	
	Ch:30.00m to 31.00m		2	1.00	(0.10 + 0.10)/2		0.20	
	Cr-2							
	Ch:0.00m to 22.80m		2	22.80	(0.10 + 0.10)/2		4.56	
	Cr-3							
	Ch:0.00m to 30.00m		2	30.00	(0.10 + 0.10)/2		6.00	
	Ch:30.00m to 37.20m		2	7.20	(0.10 + 0.10)/2		1.44	
	Cr-4							
	Ch:0.00m to 28.00m		2	28.00	(0.10 + 0.10)/2		5.60	

	Cr-5									
	Ch:0.00m to 30.00m		2	30.00	0.10 + 0.10 / 2				6.00	
	Ch:30.00m to 46.20m		2	16.20	0.10 + 0.10 / 2				3.24	
	1st main road									
	Approach		2	5.00	0.10 + 0.10 / 2				1.00	
	Ch:0.00m to 30.00m		2	30.00	0.10 + 0.10 / 2				6.00	
	Ch:30.00m to 60.00m		2	30.00	0.10 + 0.10 / 2				6.00	
	Ch:60.00m to 61.00m		2	1.00	0.10 + 0.10 / 2				0.20	
								Present Qty	**75.36**	**Sqm**

Name of Work: Improvements to Roads and Drains at Kamakshamma layout and Chowdeshwari layout in ward no-02 of Yelahanka Sub division

Date of Measurement : 2/8/19

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit
17	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46um,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and							
	Pushkara Road							
	Ch:0.00m to 30.00m		1	30.00	(3.40 + 3.30)/2	0.15	15.08	
	Ch:30.00m to 40.50m		1	10.50	(3.30 + 3.30)/2	0.15	5.20	
	Gopalakrishna Road							
	Ch:0.00m to 30.00m		1	30.00	(4.00 + 3.90)/2	0.15	17.78	
	Venkateshwara Provision Store Road							
	Ch:0.00m to 30.00m		1	30.00	(3.50 + 3.50)/2	0.15	15.75	
	Malli Road							
	Ch:0.00m to 29.00m		1	29.00	(4.30 + 4.40)/2	0.15	18.92	
	Kondappa Badavane							
	11th cross							
	Ch:0.00m to 30.00m		1	30.00	(4.40 + 4.30)/2	0.15	19.58	
	Ch:30.00m to 30.00m		1	30.00	(4.30 + 4.20)/2	0.15	19.13	
						Present Qty	**111.42**	**Cum**
						Qty Limitted to	**103.56**	**Cum**

Contractor

PMC

Assistant Engineer

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore